

JOINT

(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, Yuichi Iwasaki, Masato Muraki, Kenji Tamamori, Kouji Asano, Masayoshi Esashi, Yoshinori Nakayama, Shinichi Hashimoto and Yoshiaki Moro

hereby sell, assign, transfer and convey unto

(1) CANON KABUSHIKI KAISHA
(2) Hitachi, Ltd.

corporations of JAPAN

having a place of business respectively at

(1) 3-30-2, Shimomaruko, Ohta-ku, Tokyo, Japan
(2) 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

DEFLECTOR, METHOD OF MANUFACTURING DEFLECTOR, AND CHARGED PARTICLE BEAM EXPOSURE APPARATUS

and described in an application for Letters Patent of the United States filed by us on September 26, 2003 and which has been accorded Application No. 10/670,328

and in and to said application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right or priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in the United States.

By: Yuichi Iwasaki
Yuichi Iwasaki

Date: November 28, 2003

By: Masato Muraki
Masato Muraki

Date: November 20, 2003

By: Kenji Tamamori
Kenji Tamamori

Date: November 25, 2003

By: Kouji Asano
Kouji Asano

Date: December 2, 2003

By: Masayoshi Esashi

Date: January 5, 2004

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By: Yoshinori Nakayama
Yoshinori Nakayama

Date: December 9, 2003

By: Shinichi Hashimoto
Shinichi Hashimoto

Date: December 24, 2003

By: Yoshiaki Moro
Yoshiaki Moro

Date: December 25, 2003